

FIGURE 1

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Annotated Minimal Promoter (SEQ ID NO:02)

-258                                     E-Box
      |                               *****
CGCGTGCTAGCCCGGGGCTCGAGCCAGGACCGCGCTCCCCCACGTGGCGGAGGGACTGGGGA
=====
                        TF-1

                                SP1                      SP1
                            *****                    *****
                                GC-Box 1                  GC-Box 2
                            *****                    *****
-220 CCCGGGCACCCGTCCTGCCCTTCACCTTCCAGCTCCGCCTCCTCCGCGCGGACCCCGCC
=====
    TF-2                TF-3                TF-4                TF-5

                                SP1                      SP1
                            *****                    *****
                                GC-Box 3                  GC-Box 4
                            *****                    *****
-160 CCGTCCCGACCCCTCCCGGGTCCCCGGCCCAGCCCCCTCCGGGCCCTCCAGCCCTCC
=====
                        TF-6                TF-7

                                SP1
                            *****
                                GC-Box 5
                            *****
-100 CTCCTTTCCGGCCCCGCCCTCTCCTCGCGCGCGAGTTTCAGGCAGCGCTGCGTCCT
=====
    TF-9                TF-11
Key Activator

E-Box
*****
-40 GCTGCGCACGTGGGAAGCCCTGGCCCCGGCCACCCCGCGAATTCGCCACCATG (SEQ ID NO:02)
=====
                        TF-12

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